

## ABSTRACT

In one embodiment, the present invention is a method for automatically preventing errors in computer software. The method includes storing the computer software in a code repository; executing a plurality of software verification tools to verify the computer software, wherein each of the plurality of software verification tools automatically generates one or more test cases; generating verification results responsive to executing the plurality of software verification tools and the automatically generated test cases; processing the verification results for generating an objective criterion of quality of the computer software; and customizing the scope of one or more of the plurality of verification tools responsive to the objective criterion of quality of the computer software.

CLV PASS08866.2-\* 07/3/03 9:51 AM